

### BENEFITS

#### Highest Efficiency

SunPower™ Solar Panels are the most efficient photovoltaic panels on the market today.

#### More Power

Our panels produce more power in the same amount of space—up to 50% more than conventional designs and 100% more than thin film solar panels.

#### Reduced Installation Cost

More power per panel means fewer panels per install. This saves both time and money.

#### Reliable and Robust Design

Proven materials, tempered front glass, and a sturdy anodized frame allow panel to operate reliably in multiple mounting configurations.



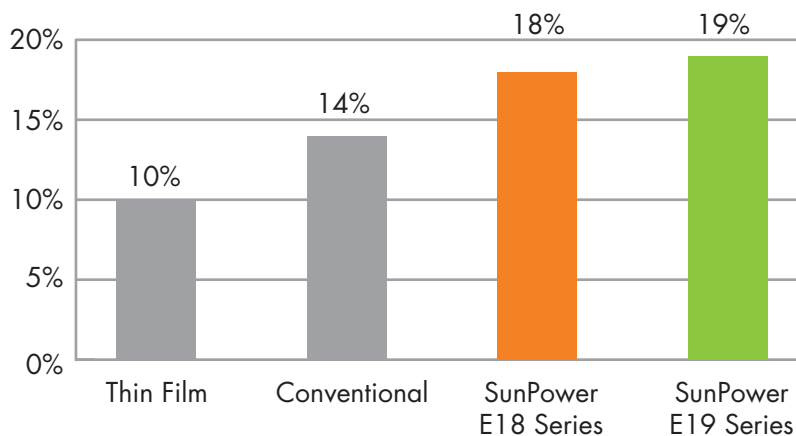
SPR-425E-WHT-D



#### A new standard for power plants.

The SunPower® 425 Solar Panel provides today's highest efficiency and performance. Utilizing 128 back-contact solar cells, the SunPower 425 delivers a total panel conversion efficiency of 19.7%. The panel's reduced voltage-temperature coefficient, anti-reflective glass and exceptional low-light performance attributes provide outstanding energy delivery per peak power watt.

SunPower's High Efficiency Advantage



### Electrical Data

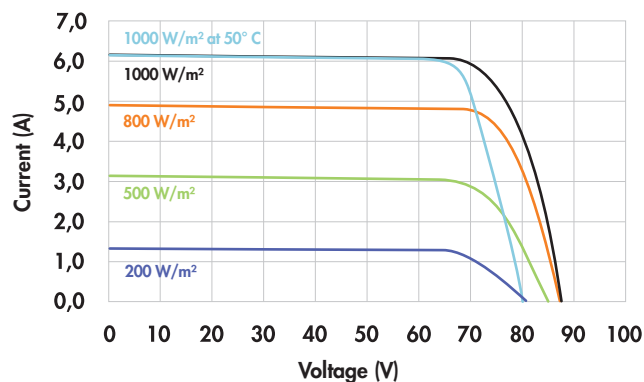
Measured at Standard Test Conditions (STC): irradiance of 1000W/m², AM 1.5, and cell temperature 25° C

Peak Power (+/-5%)	P <sub>max</sub>	425 W
Efficiency	η	19.7 %
Rated Voltage	V <sub>mpp</sub>	72.9 V
Rated Current	I <sub>mpp</sub>	5.83 A
Open Circuit Voltage	V <sub>oc</sub>	85.6 V
Short Circuit Current	I <sub>sc</sub>	6.18 A
Maximum System Voltage	UL	600 V
Temperature Coefficients	Power (P)	-0.38% / K
	Voltage (V <sub>oc</sub> )	-235.5mV / K
	Current (I <sub>sc</sub> )	3.5mA / K
NOCT		45° C +/-2° C
Series Fuse Rating		15 A

### Mechanical Data

Solar Cells	128 SunPower all-back contact monocrystalline
Front Glass	High transmission tempered glass with anti-reflective (AR) coating
Junction Box	IP-65 rated with 3 bypass diodes Dimensions: 32 x 155 x 128 (mm)
Output Cables	1000 mm length cables/ MultiContact (MC4) connectors
Frame	Anodized aluminum alloy type 6063 (silver); stacking pins
Weight	56.0 lbs. (25.4 kg)

### I-V Curve



Current/voltage characteristics with dependence on irradiance and module temperature.

### Tested Operating Conditions

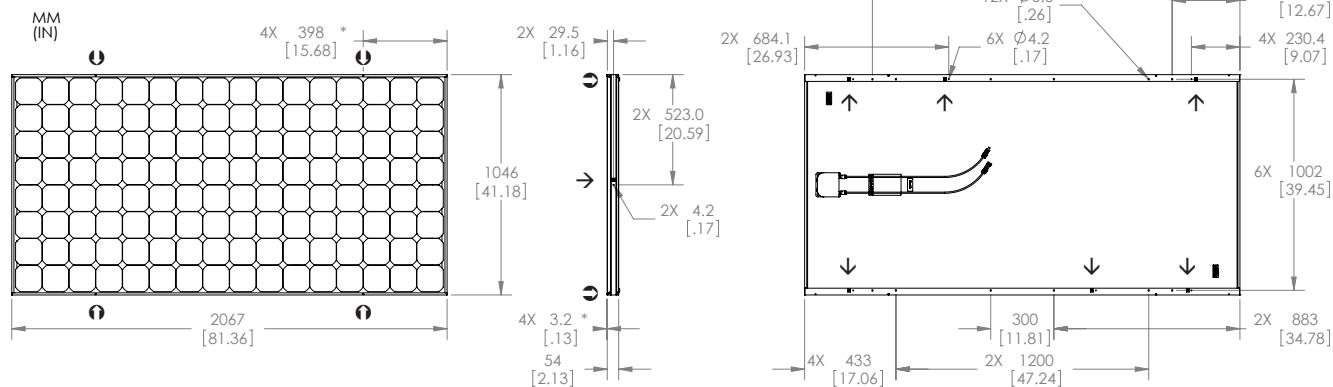
Temperature	-40° F to +185° F (-40° C to + 85° C)
Max load	50 psf (245 kg/m²) (2400 Pa) front and back – e.g. wind
Impact Resistance	Hail 1 in (25 mm) at 52mph (23 m/s)

### Warranties and Certifications

Warranties	25 year limited power warranty
	10 year limited product warranty
Certifications	Tested to UL 1703. Class C Fire Rating

### Dimensions

- Grounding Holes
- ⊙ Stacking Pins



**CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.**

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